CLAIMS

1. Thin strip or foil between $6 \, \mu m$ and $200 \, \mu m$ thick, and preferably between $6 \, \mu m$ and $50 \, \mu m$ thick, of an alloy with the following composition (% by weight):

Si :1.0 – 1.5; Fe :1.0 – 1.5; Cu < 0.2; Mn < 0.1; other elements < 0.05 each and < 0.15 total, remainder Al, with an ultimate tensile strength R_m in the annealed temper > 110 MPa for thicknesses > 9 μ m and > 100 MPa for thicknesses between 6 μ m and 9 μ m.

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- 2. Thin strip or foil according to claim 1, characterised in that it has an ultimate tensile strength R_m in the annealed temper > 115 MPa for thicknesses > 9 μm .
- 3. Thin strip or foil according to one of claims 1 or 2, characterised in that it has a yield stress $R_{0.2} > 70$ MPa.
 - 4. Thin strip or foil according to one of claims 1 to 3, characterised in that its ultimate elongation A is a function of the thickness, as follows:

Thickness (µm)	A (%) greater than	and preferably than
6 – 9	3	4
9 – 15	5	7
15 – 25	10	15
25 – 50	18	25

50 – 200	20	25
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- 5. Thin strip or foil according to one of claims 1 to 4, characterised in that the alloy has a composition such that Si/Fe \geq 0.95.
- 6. Thin strip or foil according to one of claims 1 to 5, characterised in that the silicon content of the alloy is between 1.1% and 1.3% and its iron content is between 1.0% and 1.2%.

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- 7. Manufacturing process for thin strips thinner than 200 μ m made of an Al-Fe-Si alloy with composition (% by weight):
- $Si:1.0-1.5; \ \ Fe:1.0-1.5; \ \ Cu<0.2; \ \ Mn<0.1; \ \ other \ elements<0.05 \ each$ $10 \quad \ \ and<0.15 \ total, \ remainder \ Al,$

including the preparation of a first strip either by vertical semi-continuous casting of a plate and hot rolling, or by continuous casting possibly followed by hot rolling, cold rolling of this first strip down to the final thickness, possibly with intermediate annealing at a temperature between 250°C and 350°C, and preferably between 280°C and 340°C, and final annealing at a temperature between 200°C and 370°C.

- 8. Process according to claim 7, characterised in that the alloy has a composition such that Si/Fe > 0.95.
- 9. Process according to one of claims 7 or 8, characterised in that the first strip is subjected to an homogenisation at a temperature between 450 and 500°C before cold rolling.
- 10. Process according to one of claims 7 to 9, characterised in that the strip is prepared by continuous twin-roll casting.